

[LB 0212]

AUGUST 2012

Sub. Code: 1503

B.Sc. CARDIAC TECHNOLOGY

FIRST YEAR

PAPER – III – PATHOLOGY, MICROBIOLOGY, CLINICAL
FEATURES AND TREATMENT OF DISEASES PERTINENT
TO CARDIAC TECHNOLOGY

Q.P. Code : 801503

Time : Three hours

Maximum : 100 marks

(180 Mins) Answer ALL questions in the same order

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|---|----|----|
| 1. Etiology, clinical features, diagnosis and treatment of rheumatic fever. | 7 | 20 | 10 |
| 2. What is cardiomyopathy? Briefly describe the causes and clinical presentation of different types of cardiomyopathy. | 7 | 20 | 10 |
| 3. Briefly describe the various congenital heart diseases with left to right shunt. | 7 | 20 | 10 |

II. Write Notes on:

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|---|---|----|---|
| 1. Pathophysiology of acute coronary syndrome. | 4 | 10 | 5 |
| 2. Causes of secondary hypertension. | 4 | 10 | 5 |
| 3. Drug treatment of systemic hypertension. | 4 | 10 | 5 |
| 4. Causes of heart failure. | 4 | 10 | 5 |
| 5. Etiology and clinical features of constrictive pericarditis. | 4 | 10 | 5 |
| 6. Etiology and treatment of ventricular tachycardia. | 4 | 10 | 5 |
| 7. Clinical features and diagnosis of primary pulmonary hypertension. | 4 | 10 | 5 |
| 8. Briefly describe the clinical features of aneurysm of aorta at different levels. | 4 | 10 | 5 |

III. Write Answers on:

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|---|---|---|---|
| 1. Common organisms causing infective endocarditis. | 2 | 4 | 3 |
| 2. Thrombolytic therapy – Agents and complications. | 2 | 4 | 3 |
| 3. Silent myocardial ischaemia. | 2 | 4 | 3 |
| 4. Cardiac resynchronisation therapy. | 2 | 4 | 3 |
| 5. Digoxin. | 2 | 4 | 3 |
| 6. Sinus node dysfunction. | 2 | 4 | 3 |
| 7. Preexcitation syndrome. | 2 | 4 | 3 |
| 8. Indications for cardioversion. | 2 | 4 | 3 |
| 9. Amiodarone. | 2 | 4 | 3 |
| 10. Ebstein anomaly. | 2 | 4 | 3 |
